

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100612.D
 Acq On : 16 Nov 2017 3:00
 Operator : SJ/JU
 Sample : I6426-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:41:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	115644	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	444481	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	199265	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	351747	20.00	ng	0.00
75) Chrysene-d12	14.04	240	222003	20.00	ng	-0.01
86) Perylene-d12	15.51	264	231853	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	275498	38.19	ng	0.00
7) Phenol-d6	6.50	99	210919	23.71	ng	-0.02
23) Nitrobenzene-d5	7.45	82	614990	91.48	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	172787	85.10	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1149377	87.83	ng	0.00
78) Terphenyl-d14	12.99	244	855681	88.56	ng	0.00

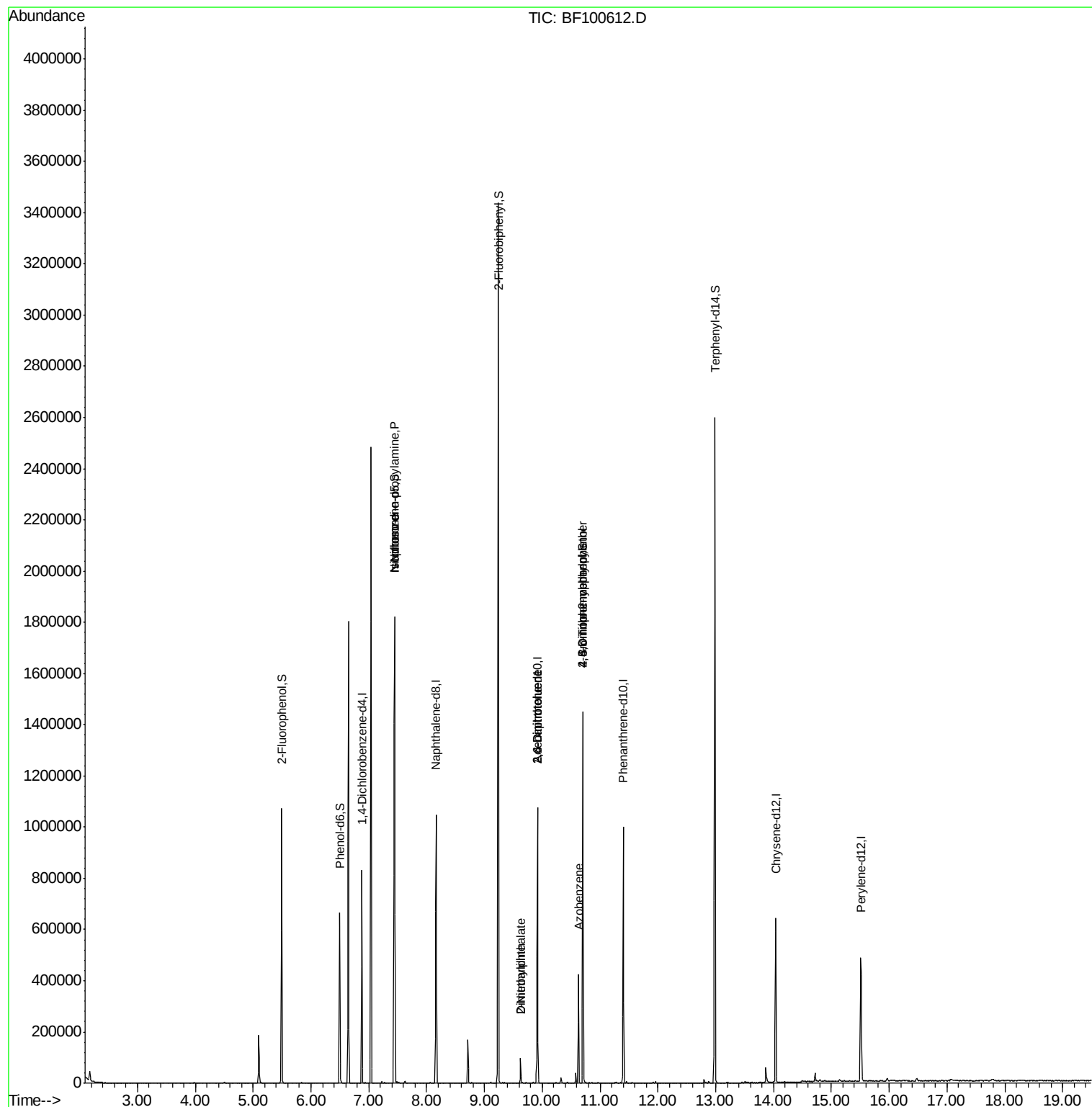
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	79884	12.95	ng	# 80
25) Isophorone	7.45	82	614664	43.51	ng	# 64
47) 2-Nitroaniline	9.63	65	285	2.86	ng	# 1
49) Dimethylphthalate	9.63	163	39409	2.59	ng	99
50) 2,6-Dinitrotoluene	9.92	165	24974	8.29	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	24974	6.57	ng	# 23
62) Azobenzene	10.63	77	62916	4.39	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	138	8.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11176	2.96	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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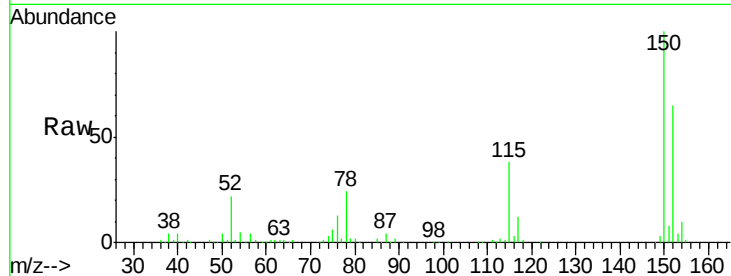


#1

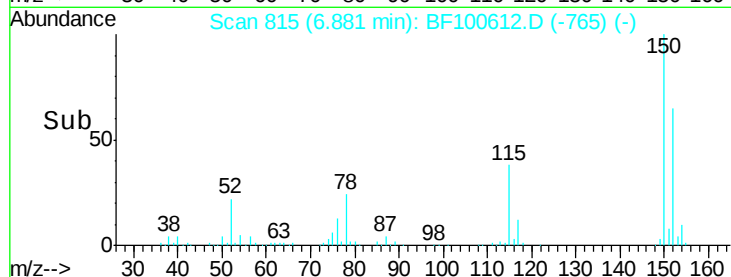
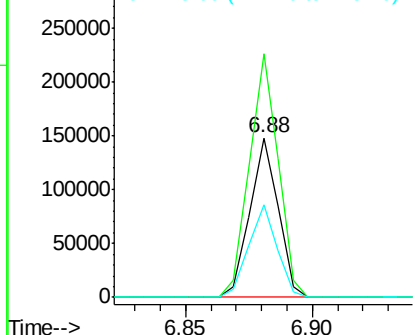
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115644
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 57.7 50.1 75.1



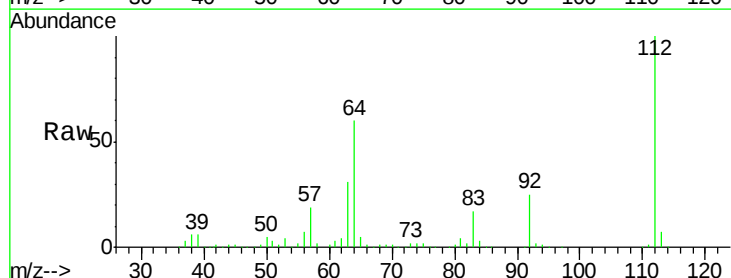
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



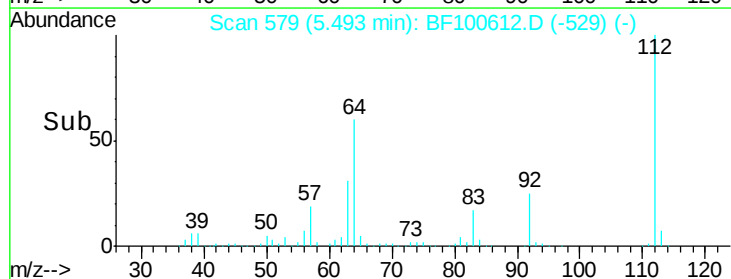
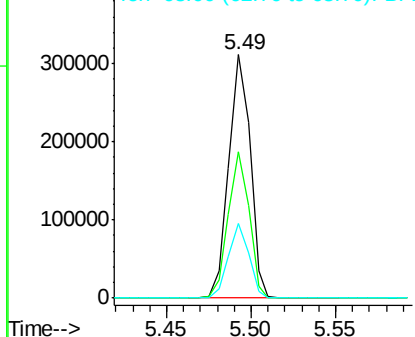
#5

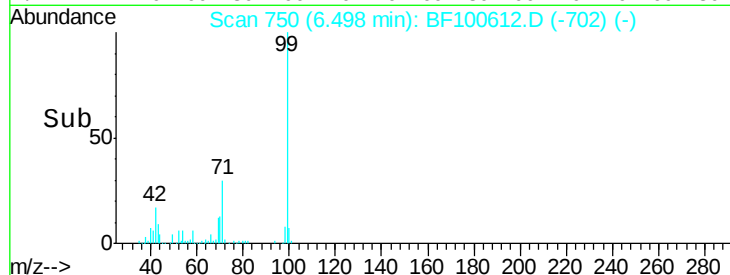
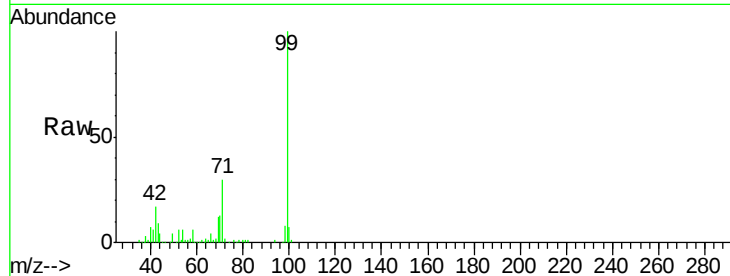
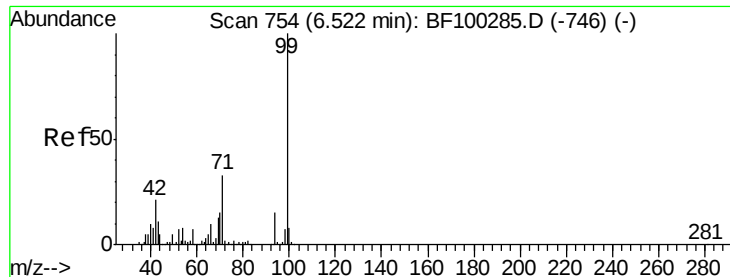
2-Fluorophenol
Concen: 38.19 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Tgt Ion:112 Resp: 275498
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.71 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

Instrument :

BNA_F

ClientSampleId :

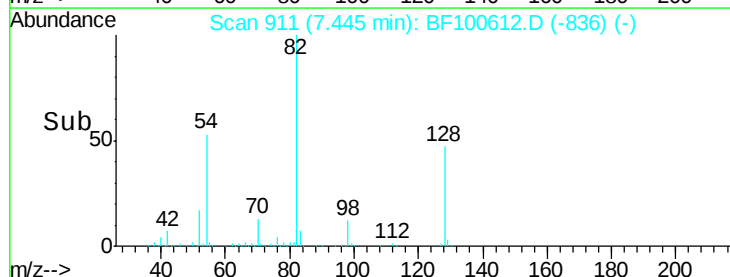
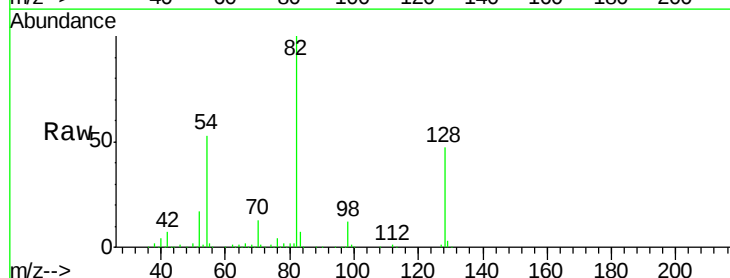
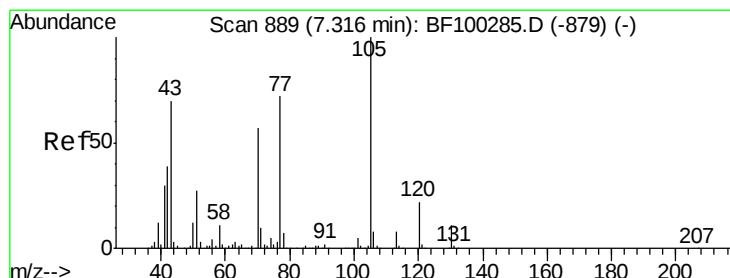
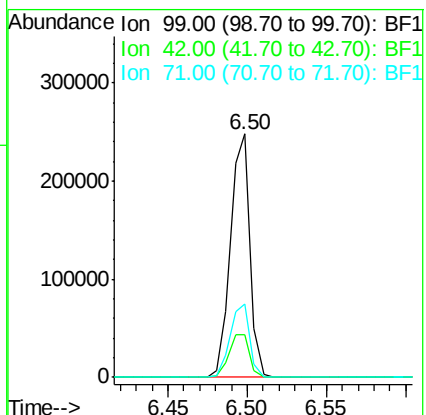
Tot Ion: 99 Resp: 210919

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 30.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.95 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

Tgt Ion: 70 Resp: 79884

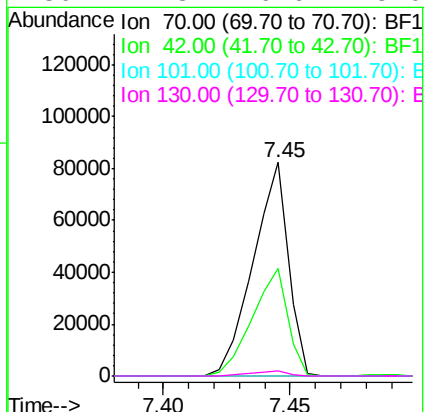
Ion Ratio Lower Upper

70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

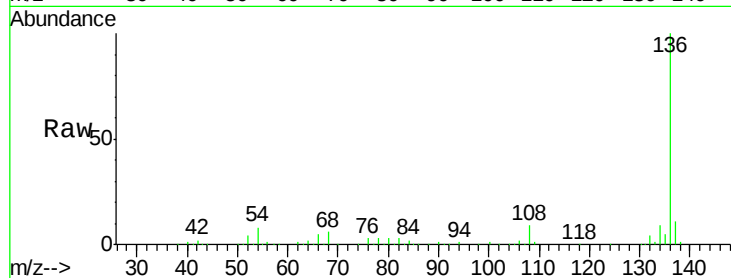




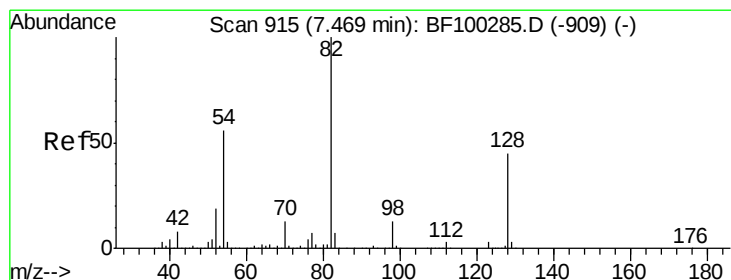
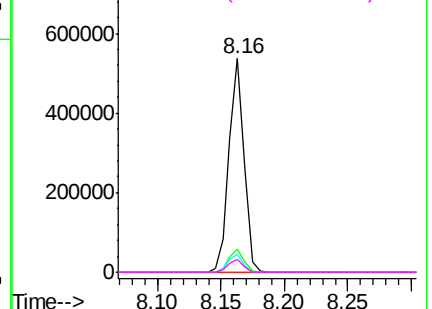
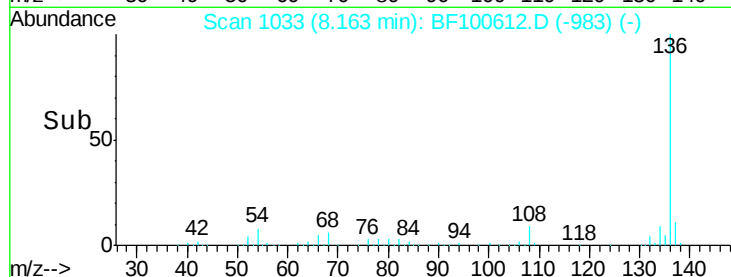
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	444481
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	8.2	6.6 9.8
68	6.0	5.0 7.4

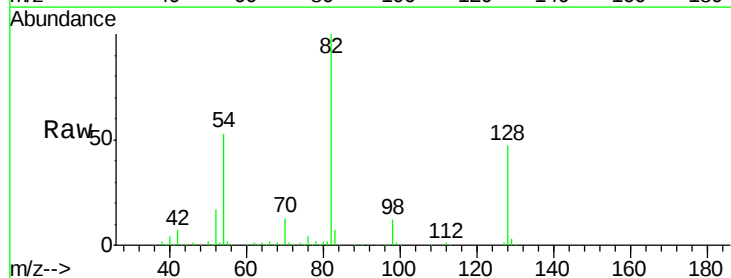


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

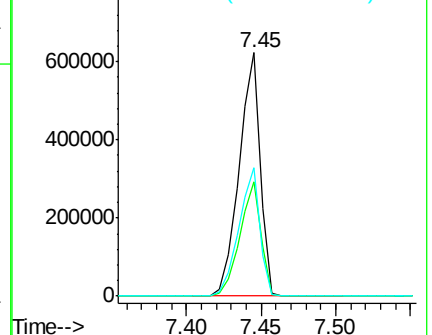
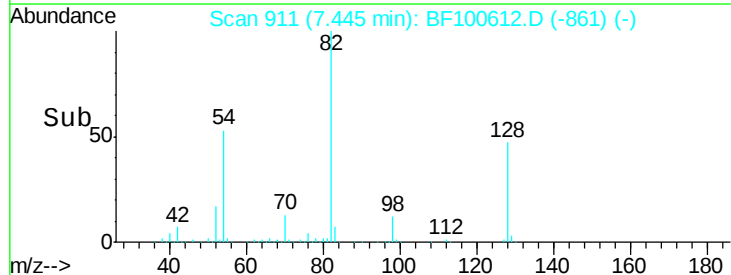


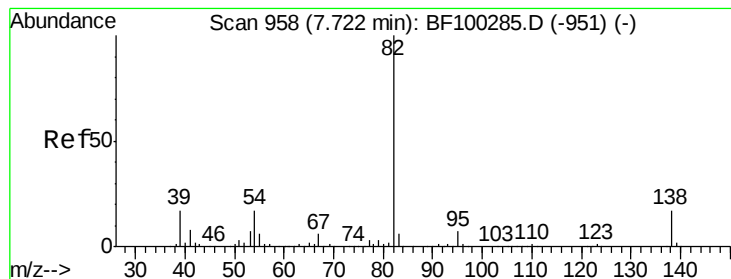
#23
Nitrobenzene-d5
Concen: 91.48 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Tgt Ion: 82	Resp:	614990
Ion Ratio	Lower	Upper
82	100	
128	46.8	36.1 54.1
54	53.0	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.51 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

Instrument :

BNA_F

ClientSampleId :

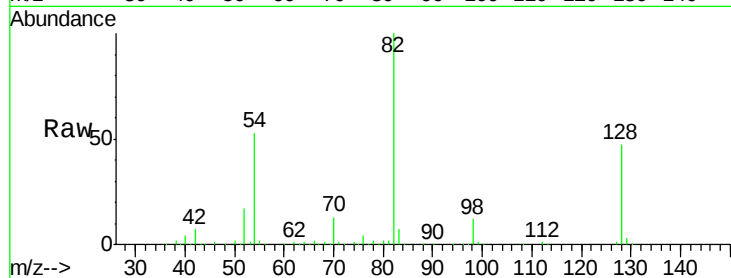
Tot Ion: 82 Resp: 614664

Ion Ratio Lower Upper

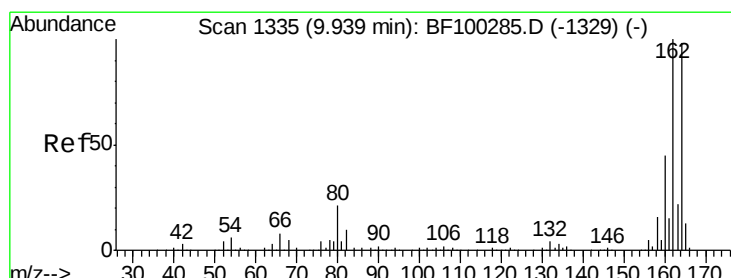
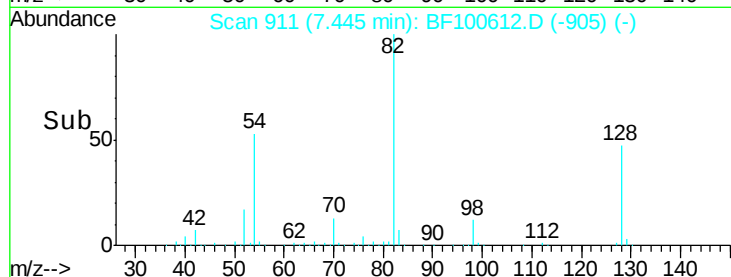
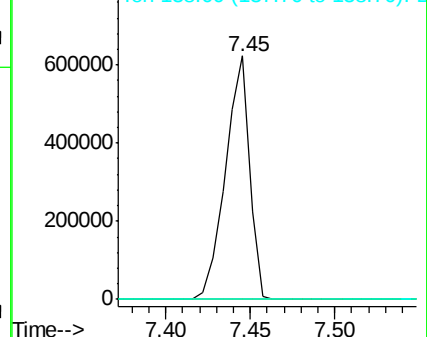
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

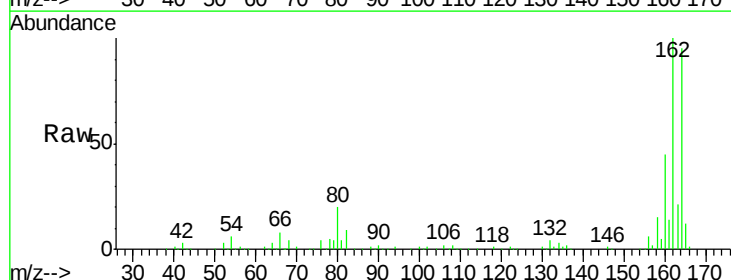
Tgt Ion: 164 Resp: 199265

Ion Ratio Lower Upper

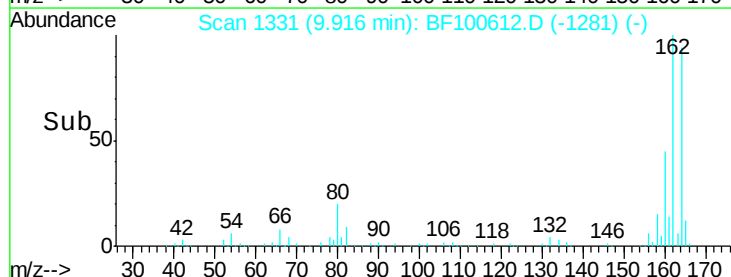
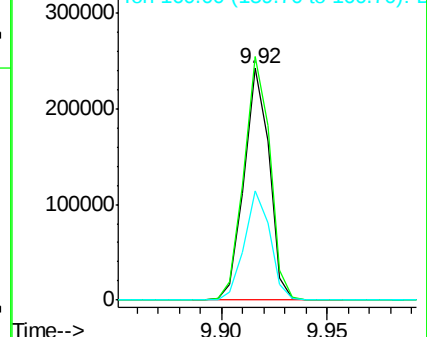
164 100

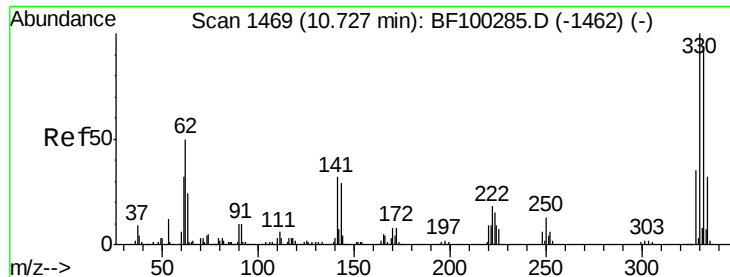
162 105.2 86.1 129.1

160 47.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 85.10 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

Instrument :

BNA_F

ClientSampled :

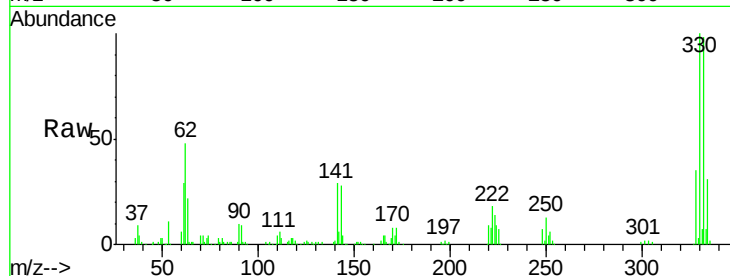
Tot Ion:330 Resp: 172787

Ion Ratio Lower Upper

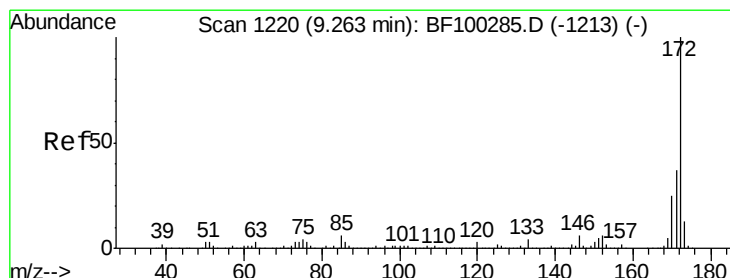
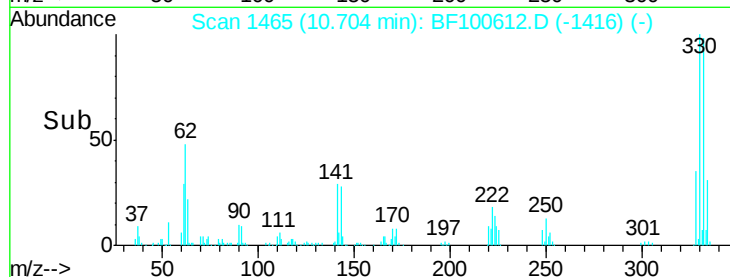
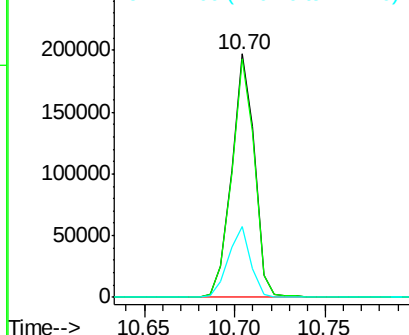
330 100

332 98.1 77.0 115.6

141 28.6 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 87.83 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

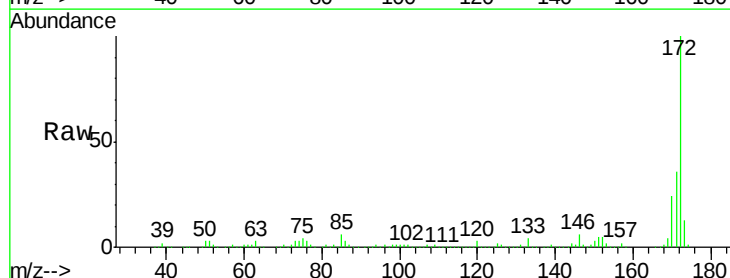
Tgt Ion:172 Resp: 1149377

Ion Ratio Lower Upper

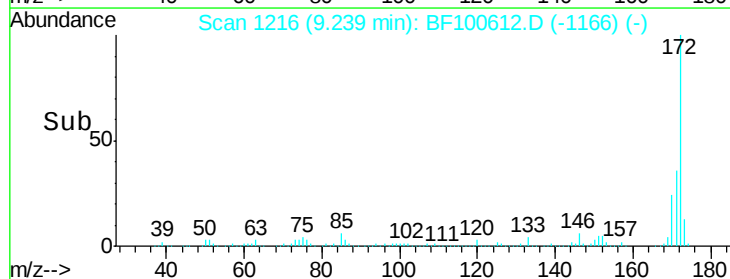
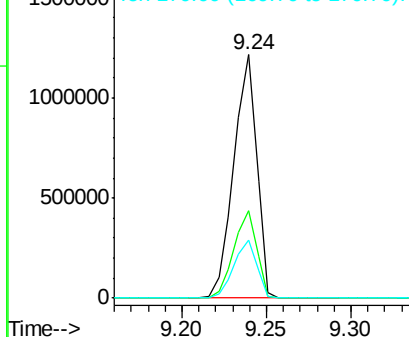
172 100

171 36.0 29.7 44.5

170 24.0 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 2.86 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

Instrument :

BNA_F

ClientSampleId :

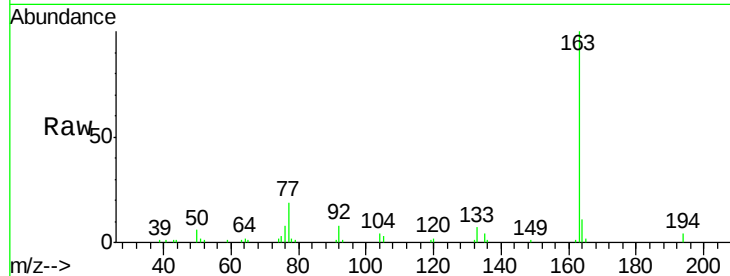
Tot Ion: 65 Resp: 285

Ion Ratio Lower Upper

65 100

92 825.9 55.8 83.6#

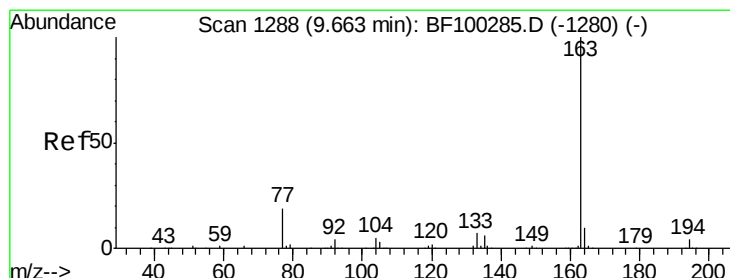
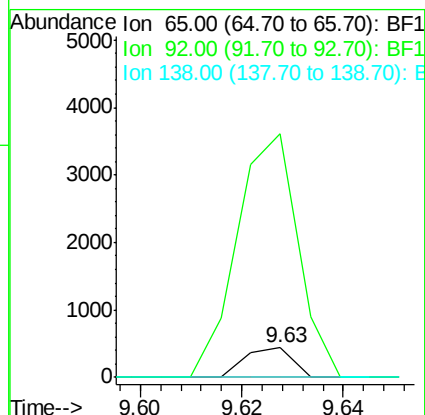
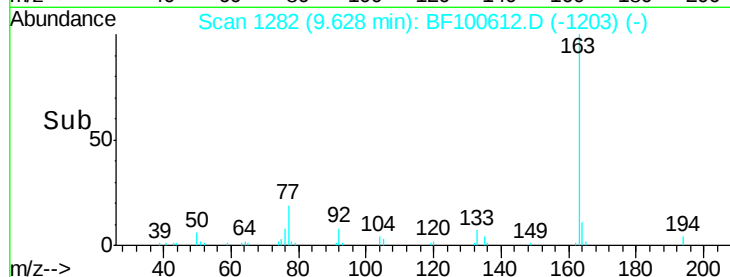
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 2.59 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100612.D

Acq: 16 Nov 2017 3:00

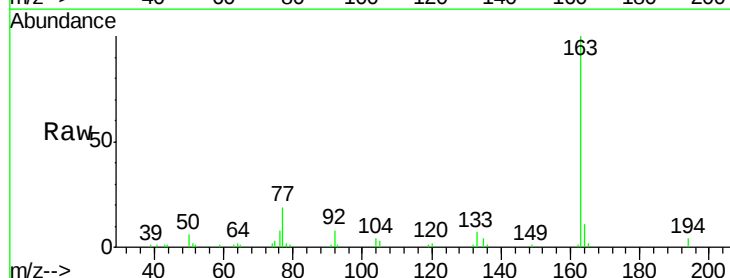
Tgt Ion: 163 Resp: 39409

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

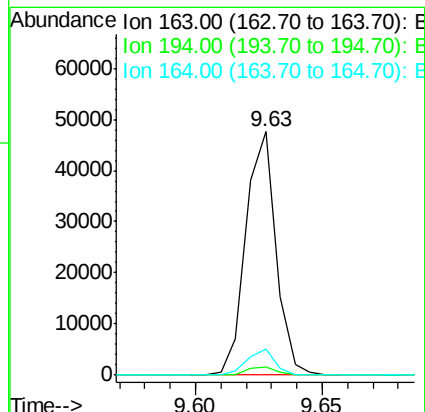
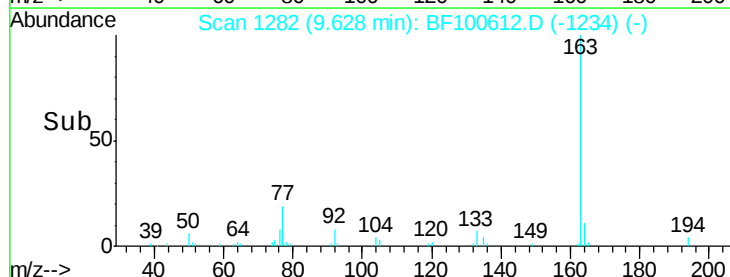
164 10.8 8.2 12.2

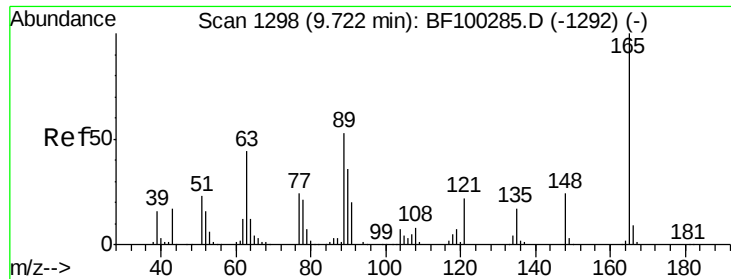


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

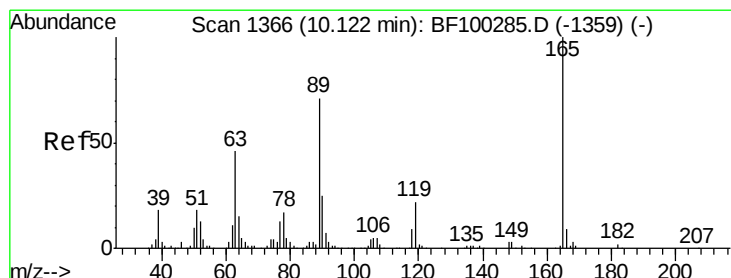
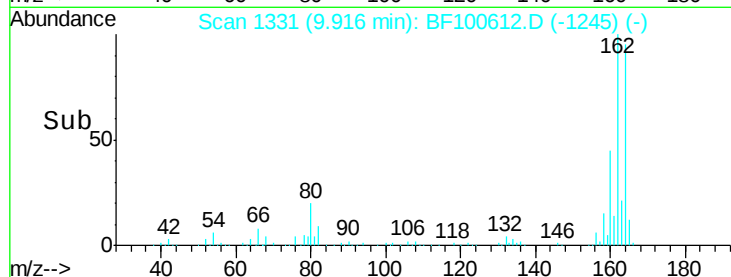
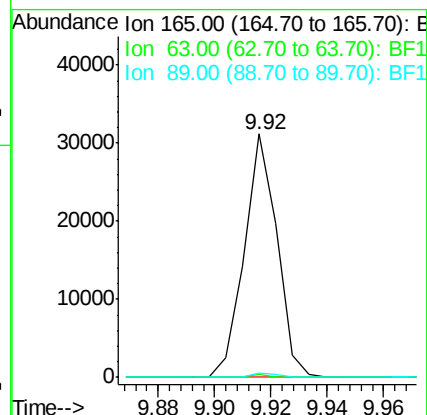
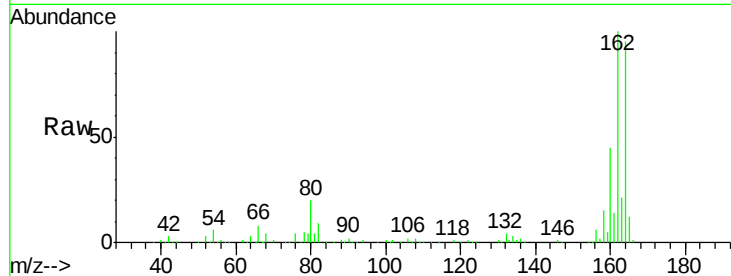




#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

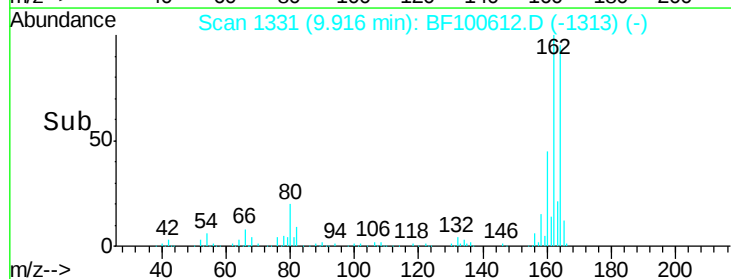
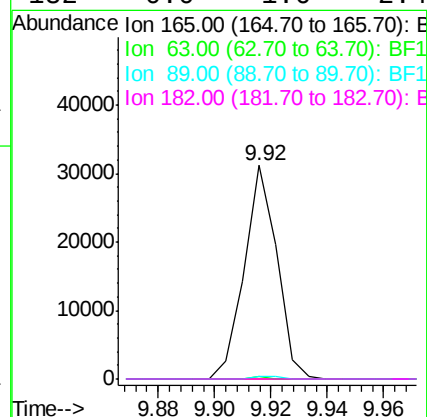
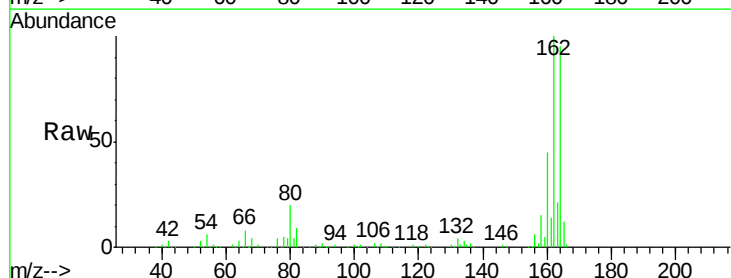
Instrument :
 BNA_F
 ClientSampleId :

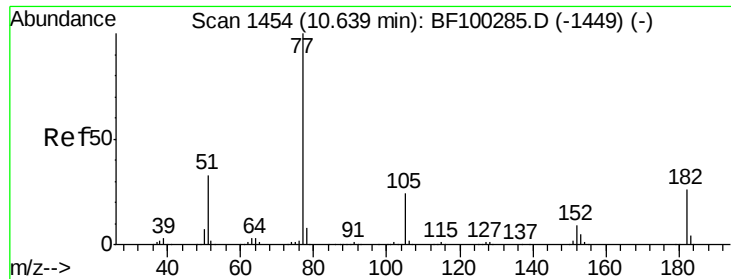
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

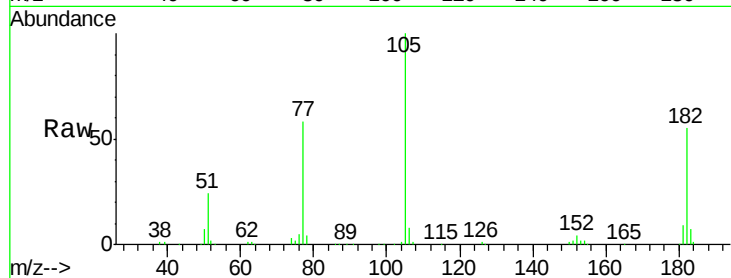




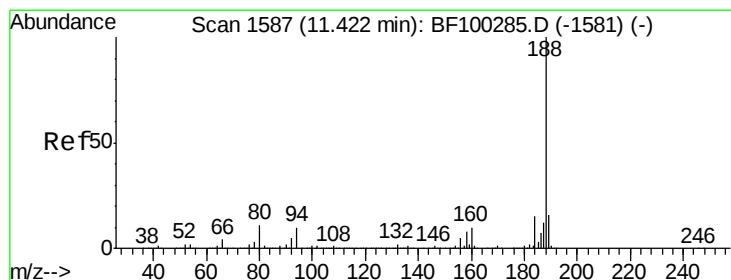
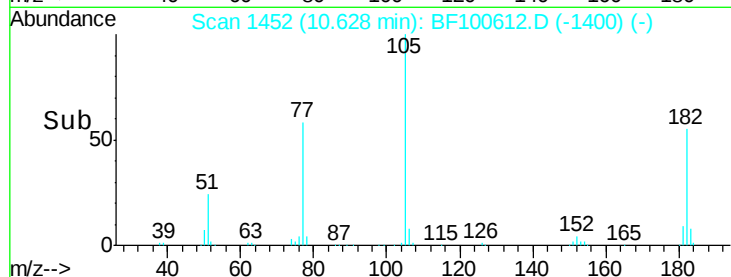
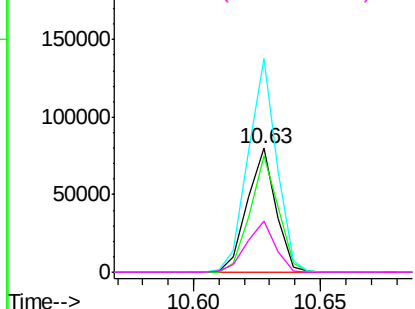
#62
Azobenzene
Concen: 4.39 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
77	100		
182	94.5	1.7	41.7#
105	172.3	3.0	43.0#
51	41.6	9.9	49.9

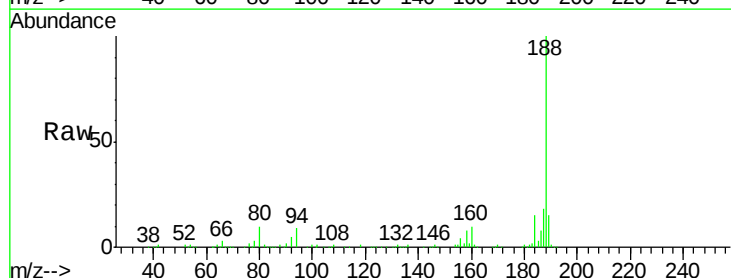


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

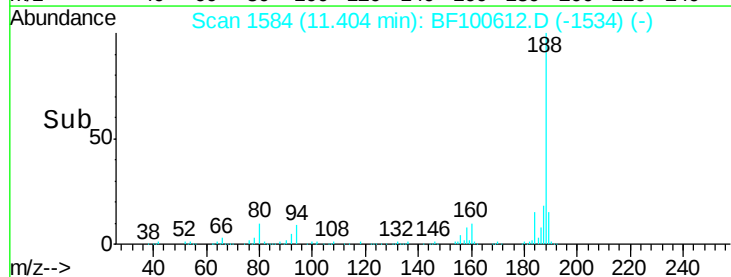
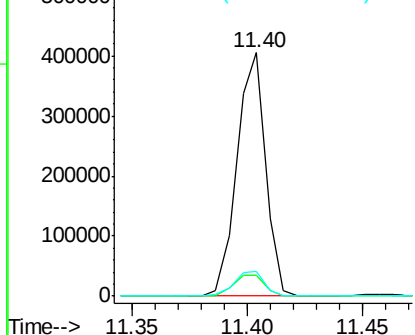


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100612.D
Acq: 16 Nov 2017 3:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	10.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

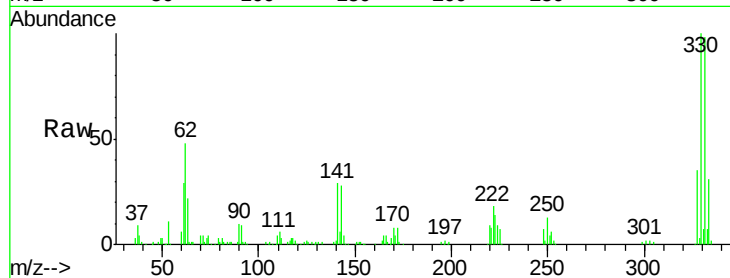




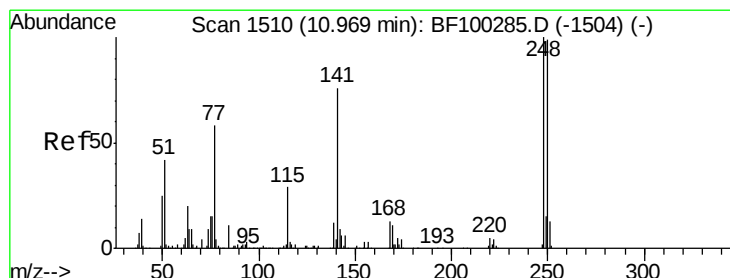
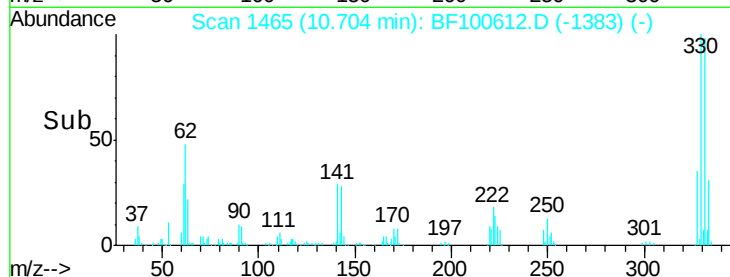
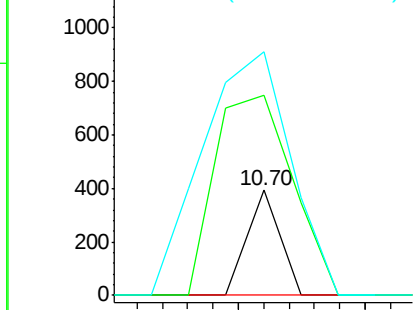
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.63 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 138
 Ion Ratio Lower Upper
 198 100
 51 191.3 37.7 77.7#
 105 232.4 36.3 76.3#

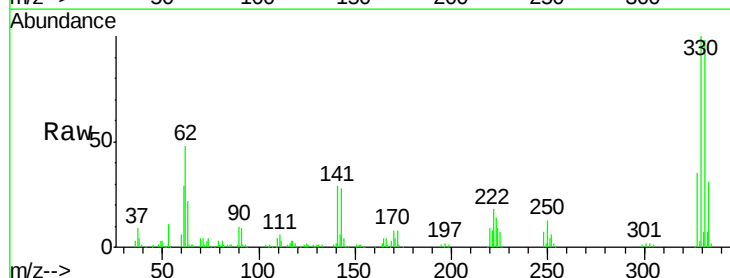


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

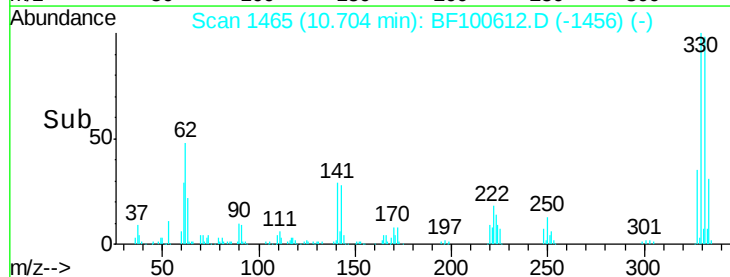
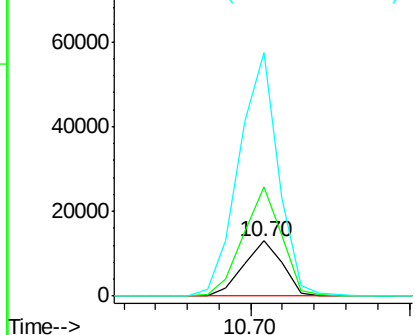


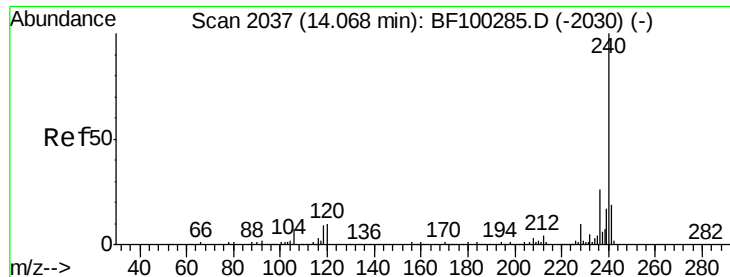
#66
 4-Bromophenyl-phenylether
 Concen: 2.96 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

Tgt Ion:248 Resp: 11176
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 439.4 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

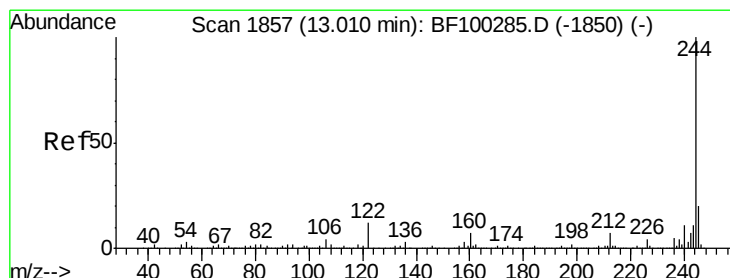
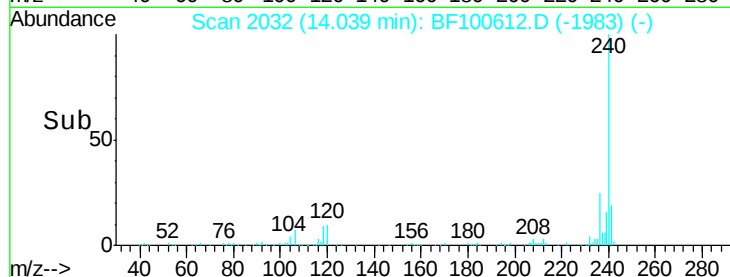
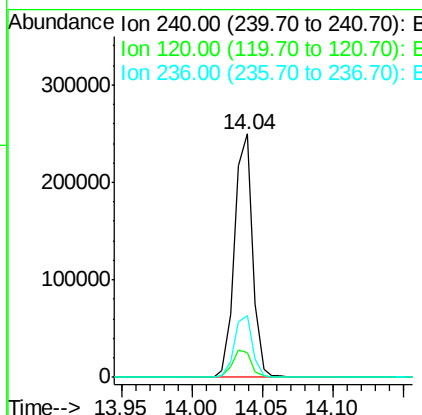
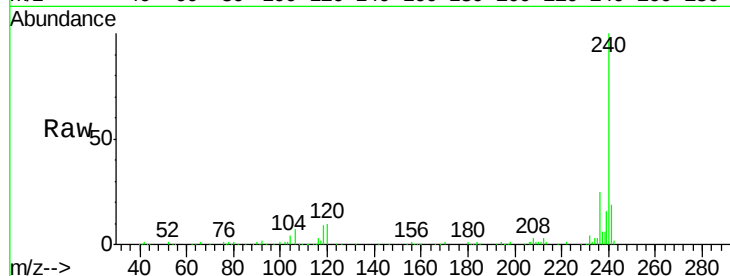




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

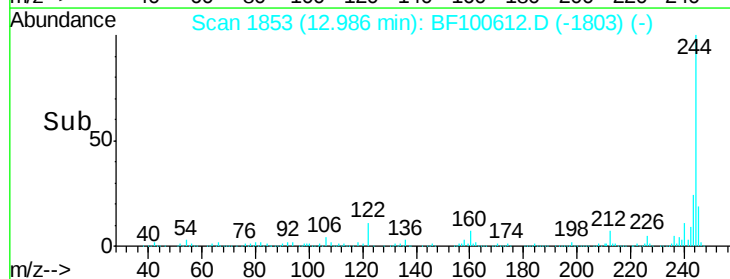
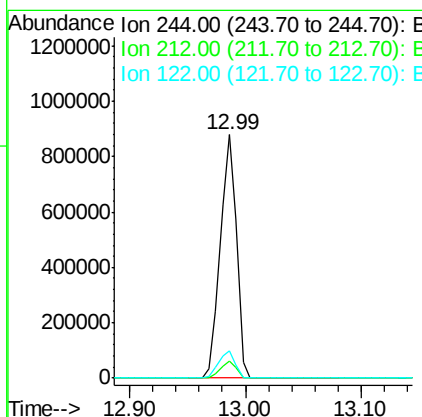
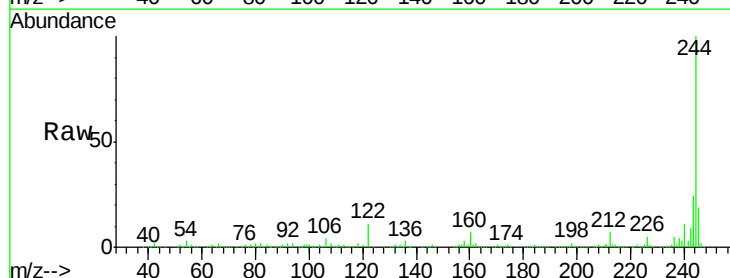
Instrument :
 BNA_F
 ClientSampleId :

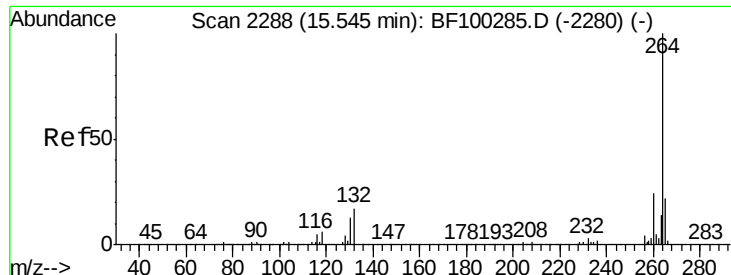
Tot Ion:240 Resp: 222003
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.5 14.3
 236 25.5 20.7 31.1



#78
 Terphenyl-d14
 Concen: 88.56 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

Tgt Ion:244 Resp: 855681
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.4 11.0 16.4

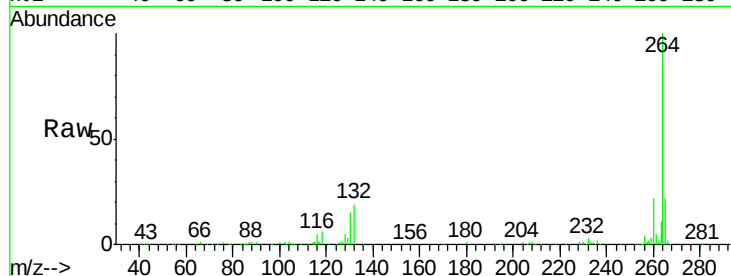




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100612.D
 Acq: 16 Nov 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

